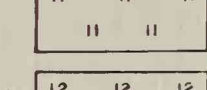
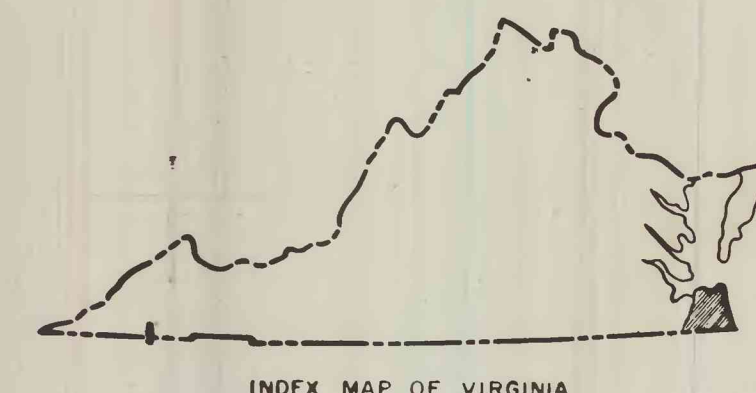




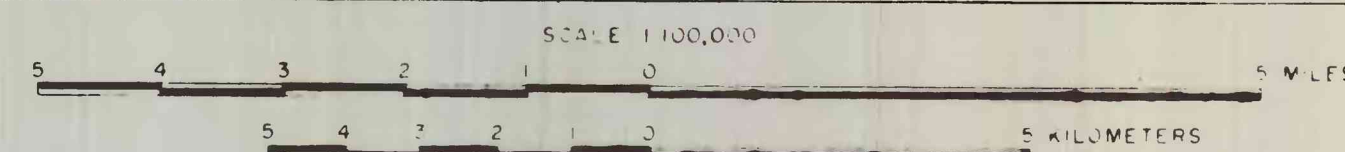
EXPLANATION

-  **Sand and Gravel; Sand**
Former barrier beaches, and
in higher areas adjacent to present drainage
-  **Silty Sand**
Former barrier beaches, near-shore deposits,
and in higher areas adjacent to present drainage
-  **Sandy, Clayey Silt**
Former lagoonal and offshore deposits
-  **Silty Clay and Clay**
Former lagoonal and offshore deposits
4a Forested wet lands
-  **Deep Plastic Clay over Sand**
Former offshore deposits
-  **Deep Mucky Peat of Dismal Swamp**
-  **Mucky Peat, shallow over Sand**
-  **Mucky Peat, shallow over Silty Clay**
-  **Mucky Peat, shallow over Mixed Stream Alluvium, Mostly Clay and Silt**
-  **Artificial Fill**
-  **Coastal Beaches and Dunes (some stabilized)**
-  **Marsh**
-  **Tidal Marsh and Swamp**
-  **Fresh to Brackish Swamp**
14a Cape Henry Swamp
with numerous stabilized dunes
The Desert
-  **Contact**
-  **Boundary of Dismal Swamp**



SOURCES OF INFORMATION

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EARTH MATERIALS MAP OF THE PORTSMOUTH-NORFOLK AREA, SOUTHEAST VIRGINIA

Compiled by
Sherman K. Neuschel

U.S. Geological Survey
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This report is preliminary and has not
been edited for conformity with
Geological Survey standards or
nomenclature.

